

Please Enter Amendment
RS 2/15/06

A NEW TRANSTROCHANTERIC ROTATIONAL OSTEOTOMY

FIELD OF THE INVENTION

5 The present invention relates to a surgical method of treating a disease called osteonecrosis of the femoral head which is caused by interruption of blood supply to the femoral head. ~~This~~ The method comprises several surgical techniques including incision of the hip joint capsule, osteotomy through the trochanteric area of the femur without detaching the greater trochanter, rotation of the femoral head and neck portion, and

10 internal fixation with screws. In this procedure, the femoral head is rotated so that the necrotic portion of the femoral head can be placed in the non-weight bearing portion region and the intact portion of the femoral head can be turned into the superior portion to support the pelvis.

15 DESCRIPTION OF THE PROR ART

Osteonecrosis of the femoral head (1) is a disease coming from an interruption of the blood supply to the femoral head. This condition leads to the destruction of the femoral head, thus making the patients feel pain in the hip joint,

20 limitation of the joint motion, limping and, if it is severe, inability to walk.

There have been known many kinds of surgical methods to treat this disease including core decompression, multiple drilling, osteotomy, bone grafting, and hip replacement. The fact that there have been many methods to treat this disease implies that there has been no single best method. The present invention is a kind of

25 osteotomy. The previous methods of osteotomy could be divided into two categories: proximal femoral varus osteotomy or flexion osteotomy and transtrochanteric rotational osteotomy. The present invention is a kind of the transtrochanteric rotational osteotomy (Figs. 1, 2, 3). The previously known transtrochanteric rotational osteotomy has disadvantages to osteotomize the greater trochanter(2) 2 first and to

30 re-attach the greater trochanter with cerclage wiring(5) 5 at the end of the osteotomy and fixation. It takes more time ~~of operation~~ to operate and has the possibility of the